

PUBLICATIONS

Klaus Wolter

September 2014

PEER-REVIEWED PUBLICATIONS

- Hoerling, M., **K. Wolter**, J. Perlitz, X. Quan, J. Eischeid, H. Wang, S. Schubert, H. Diaz, and R. Dole, 2014: Northeast Colorado extreme rains interpreted in a climate change context. *Bull. Amer. Meteor. Soc.*, **95**, S15–S18. Downloadable at: <http://www2.ametsoc.org/ams/index.cfm/publications/bulletin-of-the-american-meteorological-society-bams/explaining-extreme-events-of-2013-from-a-climate-perspective/>
- Lukas, A.J., J.J. Barsugli, N. Doesken, I. Rangwala, and **K. Wolter**, 2014: Climate Change in Colorado – A synthesis to support water resources management and adaptation, 2nd edition. Report by the Western Water Assessment for the Colorado Water Conservation Board, Boulder, 108pp. Downloadable at: <http://wwa.colorado.edu/climate/co2014report/>
- Dole, R., M. Hoerling, A. Kumar, J. Eischeid, J. Perlitz, X. Quan, G. Kiladis, R. Webb, D. Murray, M. Chen, **K. Wolter**, and T. Zhang, 2014: The making of an extreme event: Putting the pieces together. *Bull. Amer. Meteor. Soc.*, **95**, 427-440. (<http://journals.ametsoc.org/doi/abs/10.1175/BAMS-D-12-00069.1>)
- Polley, W.H., D.D. Briske, J.A. Morgan, **K. Wolter**, D.W. Bailey, and J.R. Brown, 2013: Climate Change and North American Rangelands: Evidence, Trends, and Implications. *Rangeland Ecology & Management*, **66**, 493-511.
- Gill, E., T.N. Chase, R.A. Pielke Sr., and **K. Wolter**, 2013: Northern Hemisphere summer temperature and specific humidity anomalies from two reanalyses. *J. Geophys. Res. Atmos.*, **118**, 8297–8305. (<http://onlinelibrary.wiley.com/doi/10.1002/jgrd.50635/full>)
- Hoerling, M., M. Dettinger, **K. Wolter**, J. Lukas, J. Eischeid, R. Nemani, B. Liebmann, and K. Kunkel, 2013: Chapter 5: Evolving weather and climate conditions of the Southwest United States. In *Assessment of Climate Change in the Southwest U.S.: A Report prepared for the National Climate Assessment*, Gregg Garfin (ed.), Island Press, 74-100.
- Peterson, T.C., R.R. Heim, Jr., R. Hirsch, D.P. Kaiser, H. Brooks, N.S. Diffenbaugh, R.M. Dole, J.P. Giovannettone, K. Guirgis, T.R. Karl, R.W. Katz, K.Kunkel, D. Lettenmaier, G.J. McCabe, C.J. Paciorek, K.R. Ryberg, S. Schubert, V.B.S. Silva, B.C. Stewart, A.V. Vecchia, G. Villarini, R.S. Vose, J. Walsh, M. Wehner, D. Wolock, **K. Wolter**, C.A. Woodhouse, D. Wuebbles, 2013: Monitoring and Understanding Changes in Heat Waves, Cold Waves, Floods and Droughts in the United States: State of Knowledge. *Bull. Amer. Meteor. Soc.*, **94**, 821-834 (available online at: <http://journals.ametsoc.org/doi/pdf/10.1175/BAMS-D-12-00066.1>)
- Kunkel, K.E., T.R. Karl, H. Brooks, J. Kossin, J.H. Lawrimore, D. Arndt, L. Bosart, D. Changnon, S.L. Cutter, N. Doesken, K. Emanuel, P.Ya. Groisman, R.W. Katz, T. Knutson, J. O'Brien, C.J. Paciorek, T.C. Peterson, K. Redmond, D. Robinson, J. Trapp, R. Vose, S. Weaver, M. Wehner, **K. Wolter**, and D. Wuebbles, 2013: Monitoring and Understanding Trends in Extreme Storms: State of Knowledge. *Bull. Amer. Meteor. Soc.*, **94**, 499-514. (<http://journals.ametsoc.org/doi/pdf/10.1175/BAMS-D-11-00262.1>)
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- Chase, T.N., **K. Wolter**, R.A. Pielke Sr., and Ichiaque Rasool, 2008: Reply to comment by W.M. Connolley on “Was the 2003 European summer heat wave unusual in a global context?” *Geophys. Res. Lett.*, **35**, L02704, doi:10.1029/2007GL031574. Downloadable at: <http://www.climatesci.org/publications/pdf/R-310a.pdf>

PUBLICATIONS cont.

Klaus Wolter

September 2014

- Pielke, R.A. Sr., **K. Wolter**, O. Bliss, N. Doesken, and B. McNoldy, 2007: The July 2005 Denver heat wave: How unusual was it? *National Weather Digest*, **31**, 24-35.
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- Pielke, R.A., Sr., N. Doesken, O. Bliss, T. Green, C. Chaffin, J.D. Salas, C.A. Woodhouse, J.J. Lukas, and **K. Wolter**, 2005: Drought 2002 in Colorado: An Unprecedented Drought or a Routine Drought? *Pure Appl. Geophys.*, **162**, 1455-1479. Downloadable at: <http://www.climatesci.org/publications/pdf/R-285.pdf>
- Wolter, K.**, S.J. Lubker, and S.D. Woodruff, 2003: Quality control in recent and pending COADS releases. *Advances in the Applications of Marine Climatology – The Dynamic Part of the WMO Guide to the Applications of Marine Climatology*, WMO/TD-No. **1081** (JCOMM Technical Report No. 13), 116-123. [whole WMO Report at: http://icoads.noaa.gov/jcomm_tr13.pdf]
- Wolter, K.**, R.M. Dole, and C.A. Smith, 1999: Short-term climate extremes over the continental U.S. and ENSO. Part I: Seasonal temperatures. *J. Climate*, **12**, 3255-3272. Downloadable at: <http://journals.ametsoc.org/doi/abs/10.1175/1520-0442%281999%29012%3C3255%3ASTCEOT%3E2.0.CO%3B2>
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- Tetzlaff, G. and **K. Wolter**, 1980: Meteorological patterns and the transport of mineral dust from the North African continent. *Paleoecology of Africa*, **12**, 31-45.